"Coordination of Indiana GIS through dissemination of data and data products, education and outreach, adoption of standards, and building partnerships."

October 2000

INDIANA GIS INITIATIVE

INSIDE THIS ISSUE:

INGISI 2000-2001 Quarterly Meeting Schedule

- Indiana Govt. Center 402 W. Washington St. Indianapolis, IN Thursday, October 19, 2000 9:30 – 11:30 am
- Friday, January 19, 2001, 10—12 pm
- Friday, April 20, 2001, 9:30 – 11:30 am

INGISI E-Calendar of Events

Stay abreast of INGISI meetings, committee meetings, regional training and conference events, and more **www.state.in.us/ingisi**

OPEN PUBLIC MEETING ANNOUNCEMENT

You're invited to attend the next Indiana GIS Initiative meeting at the Indiana Government Center Conference Training Center Room 5 from 9:30 to 11:30 am on October 19, 2000. A pre-meeting ice-breaker will start at 9:00 am.

AGENDA

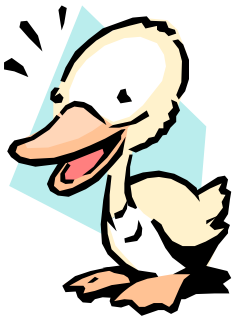
1. Introductions
2. Indiana Geographic Information Council Report
3. Committee Reports
   - Web Development
   - Standards and Recommendations
   - Data Sharing
   - Education
   - Networking
4. UGISA—the University GIS Alliance has agreed on a merger with INGISI to accommodate our complimentary missions, overlapping membership and activities.
5. Update on the Indiana State Government GIS Task Force and the GIS Director search.
6. Statewide GIS Strategic Planning Process and the development of I-Teams
8. Additional comments / floor open for dis-

IUPUI RECEIVES FGDC 2000 METADATA GRANT ON BEHALF OF INGISI

The IUPUI University Library and The Polis Center at IUPUI have received funding for metadata program support and statewide training from the Federal Geographic Data Committee (FGDC) Cooperative Agreements Program.

Metadata is documentation of GIS and other data sets and is essential for data sharing and maintaining the value of data. The FGDC grant will extend free metadata training to dozens of individuals across the state. Last year under the same funding source, INGISI trained 75 people, assisted with metadata development, and established a metadata clearinghouse at the IUPUI University Library.

The next training opportunity is November 7, 2000. For more information on how to register for this and future FREE workshops (valued at $295) call The Polis Center at IUPUI, 317-274-2800.



"Don't Duck Metadata"

THE INDIANA SPATIAL DATA INFRASTRUCTURE AND I-TEAMS

Governments at all levels (federal, state, local, and tribal) manage complex natural and social environments. They build streets, schools and airports; protect public health and the environment; and provide for public safety and disaster relief. Legislative bodies, executive branch decision-makers, and private sector businesses require accurate information about the communities, people, businesses and habitats affecting and affected by their decisions. This information about buildings, forests, waterways, weather, crime patterns, disease outbreaks, and traffic patterns is spatial data.

Spatial data has long been part of government and business processes, but its value and ubiquity are only now becoming universally recognized because of new technology that can handle large volumes of data and interoperability standards.

There are a vast number of applications for geospatial data that would help Government make better decisions, conduct better operations, provide better customer service, and be more accountable. Banks, utilities, insurance companies, police departments, and other public and private sector organizations increasingly find new uses for location-based services, remote sensing, GPS and other technologies to serve citizens and customers better.

The Federal Government has a lead role to play in coordinating the development, access and use of spatial information. This role requires Federal agencies to exercise leadership and cooperate with State, Local and Tribal authorities, the private sector, and academia to develop a coordinated "National Spatial Data Infrastructure" (NSDI). An NSDI integrated across jurisdictions can be a key component for enabling E-Government and E-Commerce to flourish.

Government entities at all levels, as well as private sector organizations, are making major investments in spatial data needed for operations. They fulfill governmental data mandates supporting essential public services and policy goals (such as clean air and water, efficient transportation, safe streets, emergency relief, and urban and rural sustainability). The costs of data stewardship for municipalities, water districts, and other local, state and tribal government organizations are significant. The challenge for all levels of government is to develop common criteria for spatial infrastructure investments, align annual public and private budget cycles more effectively, and pool and leverage spatial investments.

The Indiana Spatial Data Infrastructure is a means to assemble geographic data statewide to serve a variety of users. Such an infrastructure provides an environment within which organizations and technology interact to foster activities for using, managing, and producing geographic data. The Indiana Spatial Data Infrastructure fits within the nationwide context of the NSDI.

FRAMEWORK

Geographic data users from many disciplines and organizations have a recurring need for a few themes of basic data. By attaching their own data to the common data in the framework, users can build their applications more easily and at less cost. Common data themes provide:

Basic data that can be used in applications,

A base to which users can add or attach geographic details and attributes,

A reference source for accurately registering and compiling participants' own data sets, and

A reference map for displaying the locations and the results of an analysis of other data.

The seven framework data themes are as follows:

1. Geodetic Control - reference system of monumented points and GPS control stations

2. Orthoimagery - georeferenced image or remotely sensed data

3. Elevation - elevations of land surfaces and the depths below water surfaces

4. Transportation - includes roads, trails, railroads, waterways, airports and ports, bridges and tunnels

5. Hydrography - includes surface water features such as lakes, ponds, rivers, streams, canals, and shorelines

6. Governmental Units - units of government includes state, counties, incorporated places, legal civil divisions, American Indian reservations

7. Cadastral Information - past, current and future

"You can't have E-gov without G-gov"

-Ron Metzner
Executive Office to the President
Office of Management and Budget

YOUR INVITATION TO PARTICIPATE ON INGISI COMMITTEES

Please plan on participating on an INGISI Committee! All Committee meeting dates and locations are scheduled on the INGISI E-calendar at www.state.in.us/ingisi.

Education Committee
Chair - Kevin Miller, (IDEM) kmiller@dem.state.in.us
Web Development Committee
Chair - Eric Torok (The Schneider Corporation) etorok@theschneidercorp.com
Networking Committee
Chair - Becky McKinley (Hammond Sanitary District) rgalambos@surfnetinc.com
Standardsand Recommendations Committee
Chair - Larry Stout (Hamilton County) lcs@mail.co.hamilton.in.us; Co-Chair - Jim Sparks, (The Polis Center at IUPUI) jsparks@iupui.edu
Data Sharing Committee
Chair - Jill Saligoe-Simmel (The Polis Center at IUPUI) jsaligoe@iupui.edu; Co-Chair - Bruce Nielsen (NRCS) bnielsen@in.nrcs.usda.gov
Conference Committee
Chair - TBA; Co-Chair - Kevin Mickey, (The Polis Center at IUPUI) kmickey@iupui.edu

THE INDIANA SPATIAL DATA INFRASTRUCTURE (CONTINUED)

rights and interests in real property, includes surveys, legal descriptions, parcels, cadastral reference systems e.g. PLSS, and publicly administered parcels e.g. military/state parks.

I-TEAMS

As part of the Federal Office of Management and Budget's Information Initiative "Collecting Information in the Information Age", OMB recently completed a series of public Roundtables exploring how to improve the quality of the spatial data Government collects while minimizing the collection burden. Dialogue focused on the need to overcome the financial and institutional barriers to the sharing of spatial information among Federal, State, local, and tribal entities, and the private sector. In response to participants' recommendations, OMB (in cooperation with the Federal Geographic Data Committee (FGDC), National Performance Review (NPR), Council for Excellence in Government, Urban Logic, and other public and private sector stakeholders) has invited the spatial data community to begin several implementation actions.

A national network of Implementation Teams (I-Teams) will organize institutions in their state or region to build statewide portions of the NSDI. Already, New Jersey, Kentucky, North Carolina, Oregon and Metropolitan New York City have committed to establish an I-Team. Each Team, aligning the needs and resources of its State, local, tribal, Federal, and private sector partners, will prepare a comprehensive plan for compiling, maintaining, and financing spatial infrastructure in its I-Team area. It will identify the needs and responsibilities of the partners, align and leverage resources, and establish detailed timetables and performance measures.

With the establishment of the Indiana Geographic Information Council and the strong INGISI community, Indiana is well prepared to integrate the I-Team approach with our strategic planning process for an Indiana Spatial Data Infrastructure.

The goal of the Indiana Spatial Data Infrastructure is to build a common geospatial data framework in Indiana. Data sharing is the essence of the framework concept and necessary for commercial and government applications relying on GIS tools as an integrative interface. Data sharing is realized when people join together to develop an organizational foundation, to participate in essential framework functions, and to agree to business procedures that emphasize compatibility and promote information flow.

Information in this article was gathered at the National State Geographic Information Council's Annual Meeting October 2000, from the FGDC National Spatial Data Infrastructure, and from an OMB white paper titled IMPLEMENTING A NEW PARADIGM: An Outcome of OMB's Information Initiative "Collecting Information in the Information Age."

GIS GOES PRIMETIME: *"THE DISTRICT"*

CBS TV Series, "The District," Features GIS in Action. "The District," a new CBS television series premiering Saturday, October 7 at 10:00 p.m. et/pt, features GIS. In each episode of this crime drama, law enforcement members utilize the power of GIS to help analyze crime patterns. All maps shown in the series are created using ESRI GIS software.

Located at **The Polis Center**
Indiana University Purdue University Indianapolis
1200 Waterway Blvd., Suite 100
Indianapolis, Indiana 46202

We're on the Web! www.state.in.us/ingisi

2ND ANNUAL INTERNATIONAL GIS DAY NOVEMBER 15, 2000

GIS Day 2000 will be held Wednesday, November 15 during Geography Awareness Week. Since 1987, the National Geographic Society has sponsored Geography Awareness Week to promote geographic literacy in schools, communities, and organizations, with a focus on the education of children. Geography Awareness Week will be held November 12-18, 2000.

GIS Day is a grassroots event that formalizes the practice of geographic information systems (GIS) users and vendors of opening their doors to schools, businesses, and the general public to showcase real-world applications of this important technology. The event is principally sponsored by the National Geographic Society, the Association of American Geographers, University Consortium for Geographic Information Science, the United States Geological Survey, The Library of Congress, and ESRI.

Last year more than 2,400 organizations hosted GIS Day events in more than 91 different countries. Through the combined efforts of GIS Day '99 participants, over 2.4 million children and adults were educated on GIS technology through geography. This year the goal of GIS Day is to educate 3 million children and adults on GIS technology through geography. Join us as we celebrate GIS Day 2000!

Currently, there are 22 events planned across the state—to see the full list of registered events, go to http://www.gisday.com/gisday/index.html.

INGISI, along with a number of state and local co-sponsors, is co-sponsoring three GIS Day events. A GIS Demonstration and Map Gallery will be held in the State House, 100 N. Capital, Indianapolis from 8:30 am— noon. Another GIS Demonstration and Map Gallery will be held in the Indiana Government Center Conference Center, 400 W. Washington Street, from 1—4:30 pm. Indianapolis/Marion County will have a GIS Demonstration, Map Gallery, and Open House at the City-County Building, 200 East Washington St. City-County Building Suite 2460 Indianapolis.

INGISI welcomes your feedback. To submit an article, information or event to the INGISI Newsletter or E-calendar, contact
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